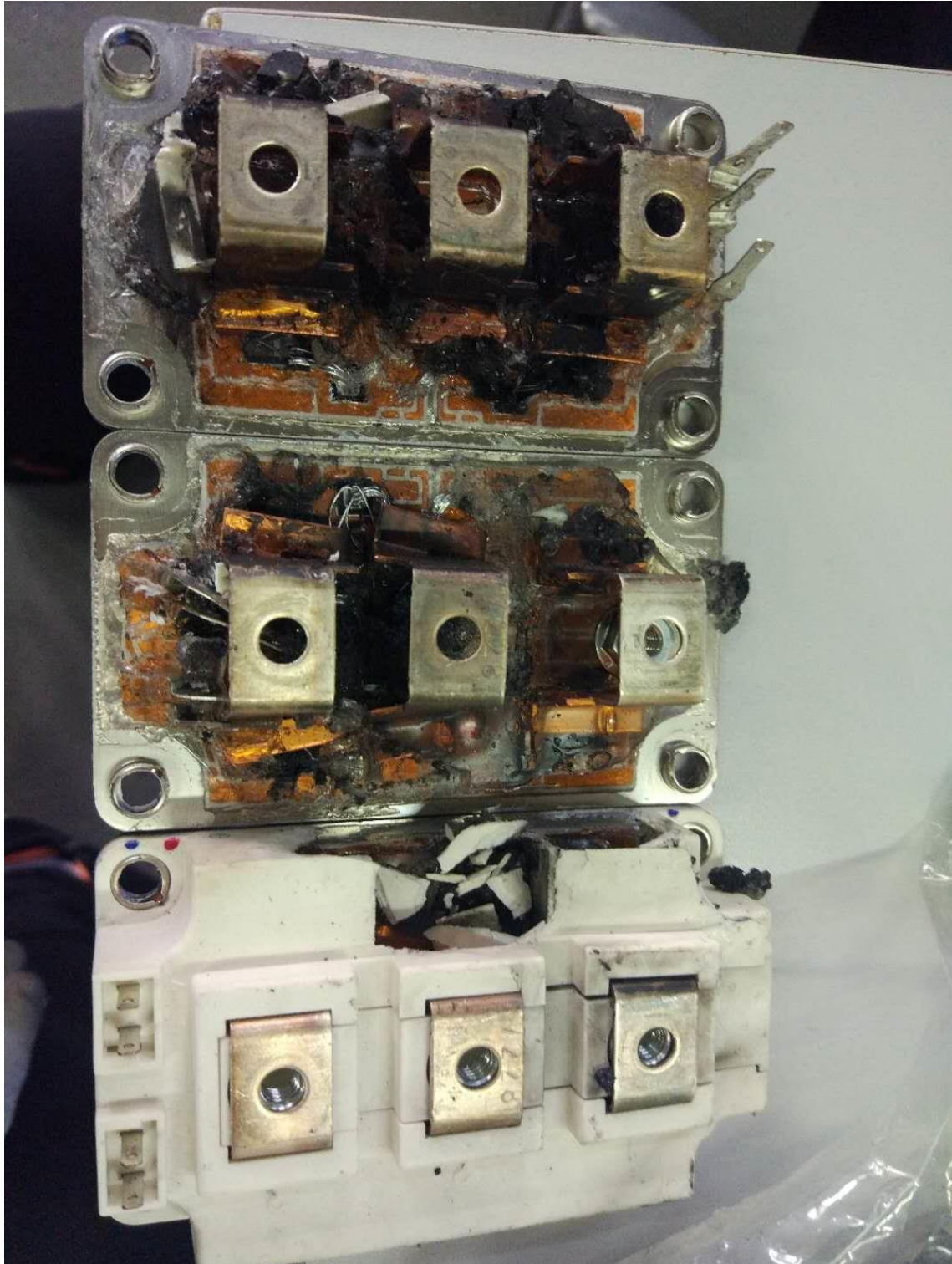


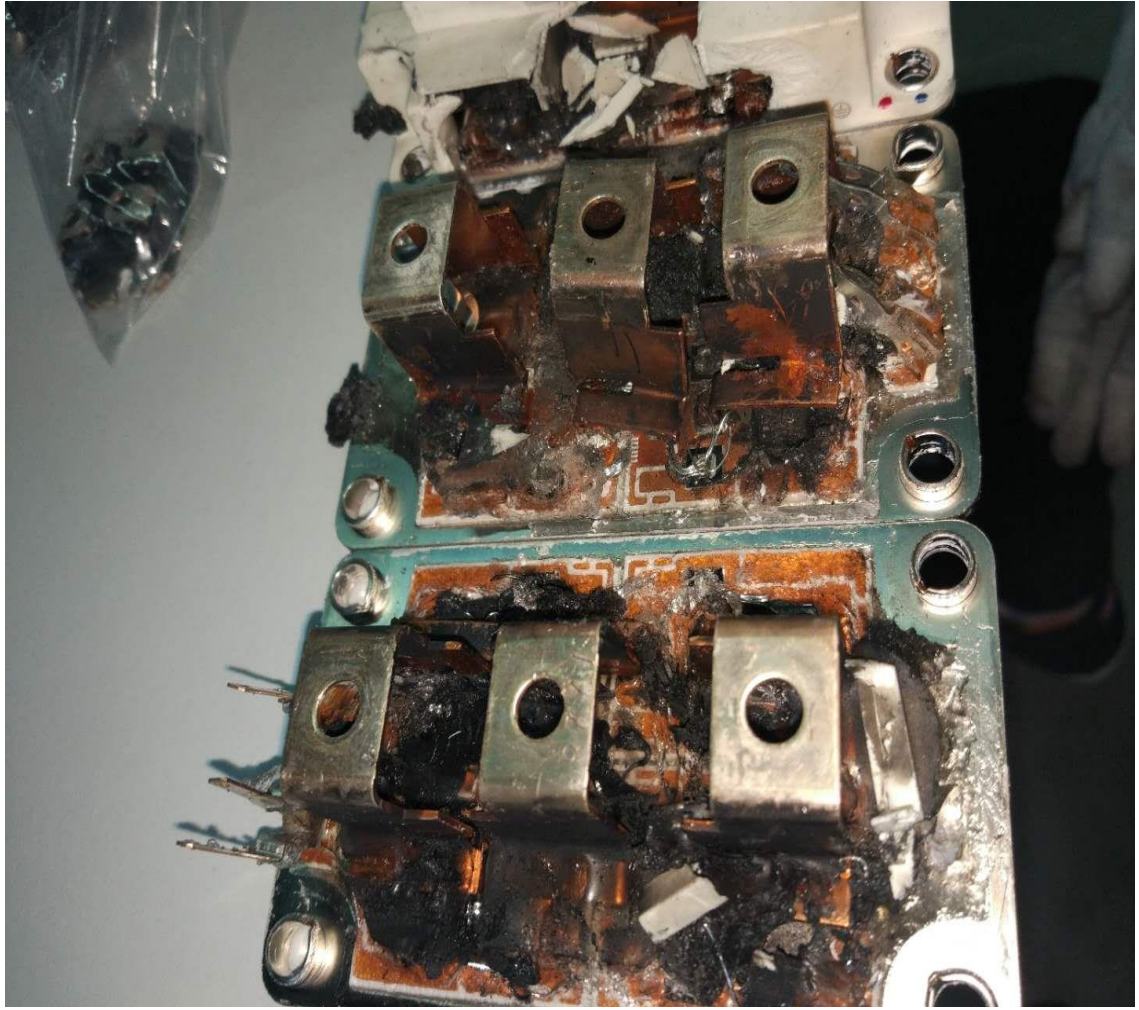
IGBT Damage Phenomenon Description

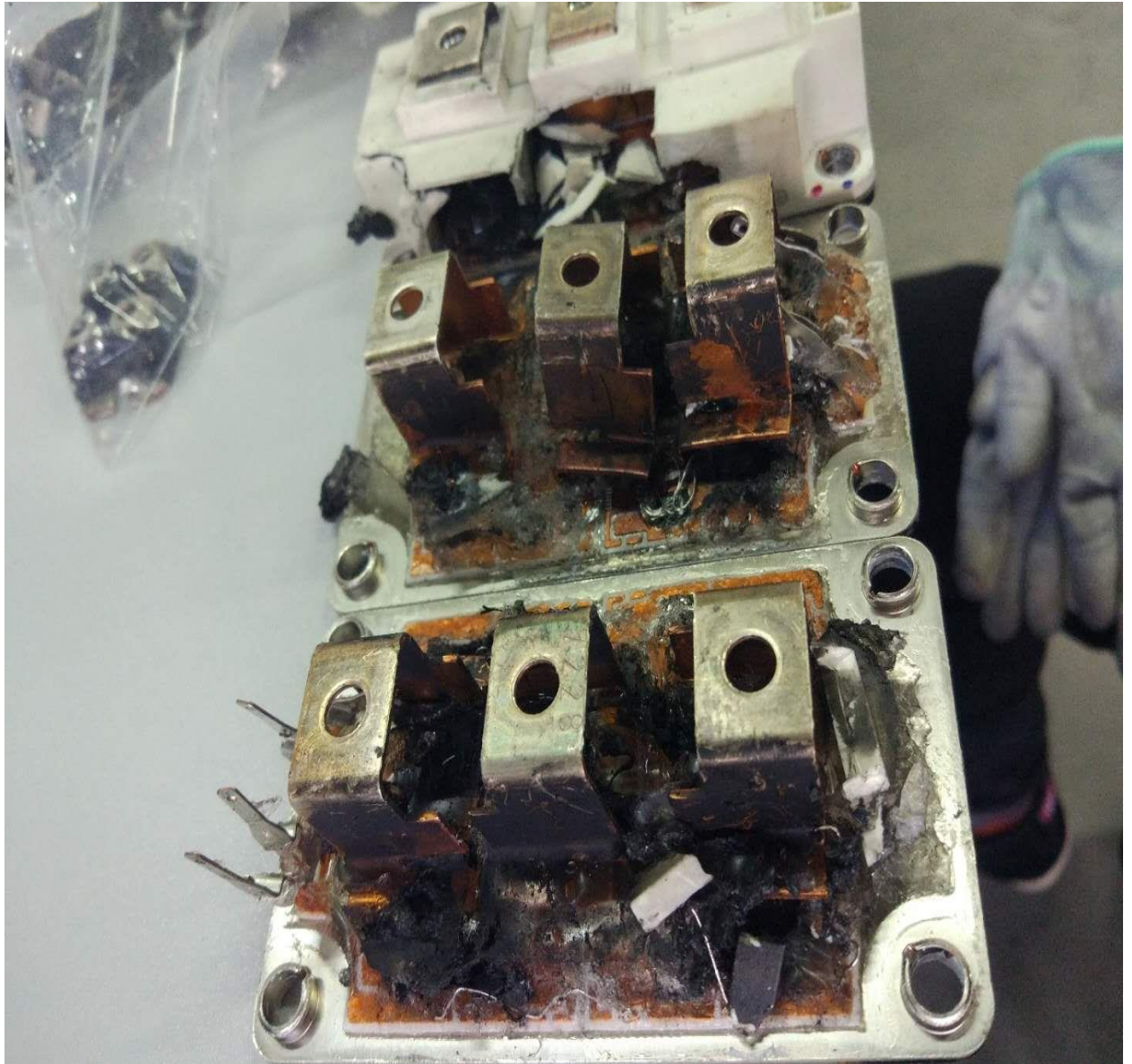
Hello,

Daniel

The following picture shows the phenomenon that IGBTs are blown up during the working process of our products. From the point of view of the damage, our analysis believes that the drive end has been damaged, the internal blackening, and some of the drive lines inside the IGBT have been blown.







Therefore, based on your current analysis, you think that we may not be using your company's UC1525AJ device correctly. I still very much hope that you will get the consequences of the defects caused by our failure to properly use the UC1525AJ chip. I have never understood this.

1. Mainly those parameters of OUTA, OUTB lead to abnormalities in the latter drive IGBT? We redesigned the UC1525AJ according to your opinion. What are the requirements for the OUTA and OUTB parameters during the test? In the wide range, the IGBT can be normally operated without causing damage.

2. The IGBT model we use is FF200R17KE4 (manufactured by Infineon), and our product working switching frequency is 7KHZ. Can you help us to refer to the DATE DATESEHEET evaluation, how can we use UC1525AJ and IGBT together, what should we pay attention to when designing UC1525AJ?

Thank you very much for your detailed instructions.